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Standards Actions



1.0 DOE Technical Standards Projects

The complete list of all DOE Technical Standards projects and their status is available on the Technical Standards Program web page at <http://tis.eh.doe.gov/techstds/>. To access these standards, go to our web page, click on DOE Technical Standards, then choose Projects, Approved Standards, Recently Approved Standards, or Drafts for Review, as appropriate, on the left frame of the page.

1.1 DOE Technical Standards Recently Sent for Coordination

Your Technical Standards Manager (TSM) will initiate requests for specific reviewers to comment on these drafts. The full text of these documents is available on the TSP Web Site. If you wish to comment on these drafts, please notify your TSM. The list of TSMs can be found at <http://tis.eh.doe.gov/techstds/genframe.html>.

- *Nuclear Safety Specialist Functional Area Qualification Standard*, Project No.: TRNG-0046, contact M. Norman Schwartz, EH-22, phone 301-903-2996, fax 301-903-6172, and e-mail Norm.Schwartz@eh.doe.gov. Comments due by February 13, 2004.
- *Stabilization, Packaging, and Storage of Plutonium-Bearing Materials*, Project No.: PACK-0016, Revision of DOE-STD-3013-2000, contact Gary D. Roberson, NNSA-Service Center, phone 505-845-5805, fax 505-845-5872, and e-mail Groberon@doeal.gov. Comments due by February 20, 2004.
- *Nuclear Explosive Safety Evaluation Process*, Project No.: SAFT-0092, Revision of DOE-STD-3015-2001, contact Daryl R. McCollister, NNSA, NA-121.1, phone 301-903-8971, fax 301-903-8628, and e-mail Daryl.Mccollister@nnsa.doe.gov. Comments due by February 23, 2004.
- *Specific Administrative Controls*, Project No.: SAFT-0091, contact Richard W. Englehart, EH-22, phone 301-903-3718, fax 301-903-6172, e-mail Richard.Englehart@eh.doe.gov. Comments due by February 23, 2004.
- *Civil/Structural Engineering Functional Area Qualification Standard*, Project No.: TRNG-0045, contact M. Norman Schwartz, EH-22, phone 301-903-2996, fax 301-903-6172, and e-mail Norm.Schwartz@eh.doe.gov. Comments were due by January 7, 2004.

1.2 DOE Technical Standards Recently Published

The following DOE Technical Standards were recently published and posted on the TSP Web site:

- DOE-STD-1171-2003, Safeguards and Security Functional Area Standard, December 2003.
- DOE-STD-1172-2003, Safety Software Quality Assurance Functional Area Qualification Standard, December 2003.
- DOE-STD-1173-2003, Criticality Safety Functional Area Qualification Standard, December 2003.
- DOE-STD-1175-2003, Senior Technical Safety Manager Functional Area Qualification Standard, December 2003.

Published DOE Standards (DOE Standards, Specifications, Handbooks, and Technical Standards lists) may be obtained as follows:

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; phone 800-473-4375, fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; phone 703-605-6000, fax 703-605-6900.

Copies are also available on the Technical Standards Program Web site.

2.0 Non-Government Standards

2.1 American National Standards Institute

ANSI publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies are available on the ANSI Web Site at http://www.ansi.org/news_publications/periodicals/standards_action/standards_action.aspx?menuid=7.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for the complete list of changes and new publications, standards developing organizations, and additional information about submitting comments. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

2.1.1 American National Standards

2.1.1.1 American National Standards in Coordination

The following American National Standards are currently in coordination. Comment due dates are noted before each set.

Comment Deadline: February 16, 2004

ASAE (American Society of Agricultural Engineers)

New Standards

BSR/ASAE S584-200x, Agricultural Equipment: Speed Identification Symbol (SIS)

Revisions

BSR/ASAE S276.6-200x, Slow-Moving Vehicle Emblem (SMV Emblem) (revision of ANSI/ASAE S276.5-MAY98 (RAPR2003))

FCI (Fluid Controls Institute)

Revisions

BSR/FCI 85-1-200x, Production Testing of Steam Traps (revision of ANSI/FCI 85-1-1989 (R1994))

INMM (ASC N14) (Institute of Nuclear Materials Management)

Supplements

BSR N14.1-2001 Addendum 2-200x, Uranium Hexafluoride – Packaging for Transport (supplement to ANSI N14.1-2001)

UL (Underwriters Laboratories, Inc.)

New Standards

BSR/UL 1786-200x, Standard for Safety for Direct Plug-In Portable Nightlights (Bulletin dated 12/12/03)

New National Adoptions

BSR/UL 61010-1-200x, Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use; Part 1: General Requirements (Bulletin dated 01/16/04) (identical national adoption)

Comment Deadline: March 2, 2004

ASME (American Society of Mechanical Engineers)

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Revisions

BSR/ASME B18.24.4-200x, Part Identifying Number (PIN) Code System Standard for B18 Fastener Products (revision, redesignation and consolidation of ANSI/ASME B18.24.1-1996, ANSI/ASME B18.24.1a-2002, ANSI/ASME B18.24.2-1998, and ANSI/ASME B18.24.3-1998)

BSR/ASME PTC 1-200x, Performance Test Codes - General Instructions (revision of ANSI/ASME PTC 1-1999)

AWWA (American Water Works Association)

Revisions

BSR/AWWA C302-200x, Reinforced Concrete Pressure Pipe, Noncylinder Type (revision of ANSI/AWWA C302-1995)

IEEE (Institute of Electrical and Electronics Engineers)

New Standards

BSR/IEEE 383-200x, Standard for Qualifying Class 1E Electric Cables and Field Splices for Nuclear Power Generating Stations

BSR/IEEE 802.16/Conformance02-200x, Standard for Conformance to IEEE Standard 802.16 - Part 2: Test Suite Structure and Test Purposes (TSS&TP) for 10-66 GHz Wireless MAN-SC Air Interface

BSR/IEEE 1003.13-200x, Information Technology – Standardized Application Environment Profile - POSIX Realtime and Embedded Application Support (AEP)

BSR/IEEE 1003.26-200x, Standard for Information Technology - Portable Operating System Interface (POSIX) - Part 26: Device Control Application Program Interface (API) [C Language]

BSR/IEEE 1222-200x, All-Dielectric Self-Supporting Fiber Optic Cable

BSR/IEEE 1366-200x, Guide for Electric Power Distribution Reliability Indices

BSR/IEEE 1490-200x, Adoption of PMI Standard - A Guide to the Project Management Body of Knowledge (PMBOK Guide)

BSR/IEEE 1590-200x, Recommended Practice for the Electrical Protection of Optical Fiber Communication

Facilities Serving, or Connected to, Electrical Supply Locations

BSR/IEEE C37.115-200x, Standard Test Method for Use in the Evaluation of Message Communications between Intelligent Electronic Devices in an Integrated Substation Protection, Control and Data Acquisition System

BSR/IEEE C57.13-200x, Standard Requirements for Instrument Transformers

BSR/IEEE C62.21-200x, Guide for the Application of Surge Voltage Protective Equipment on AC Rotating Machinery 1000 Volts and Greater

Revisions

BSR/IEEE 187-200x, Standard Measurement Methods of Emissions from FM and Television Broadcast Receivers in the Frequency Range of 9 kHz to 40 GHz (revision of ANSI/IEEE 187-1990 (R1996))

BSR/IEEE 635-200x, Guide for Selection and Design of Aluminum Sheaths for Power Cables (revision of ANSI/IEEE 635-1989 (R1994))

2.1.1.2 American National Standards for Final Action

ASTM (ASTM International)

New Standards

ANSI/ASTM E2322-2003, Test Method for Conducting Traverse and Concentrated Load Tests on Panels Used in Floor and Roof Construction: 12/1/2003
ANSI/ASTM F2337-2003, Test Method for Treestand Fall Protection Devices: 11/1/2003

Revisions

ANSI/ASTM D784-2003, Specification for Orange Shellac and Other Indian Lacs for Electrical Insulation (revision of ANSI/ASTM D784-1999): 12/1/2003

ANSI/ASTM D3145-2003, Test Method for Thermal Endurance of Electrical Insulating Varnishes by the Helical Coil Method (revision of ANSI/ASTM D3145-2001): 12/1/2003

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ANSI/ASTM D5537-2003, Test Method for Heat Release, Flame Spread and Mass Loss Testing of Insulating Materials Contained in Electrical or Optical Fiber Cables When Burning in a Vertical Cable Tray Configuration (revision of ANSI/ASTM D5537-1999): 12/1/2003

ANSI/ASTM E1605-2003, Terminology Relating to Lead in Buildings (revision of ANSI/ASTM E1605-2002): 12/1/2003

ANSI/ASTM E2110-2003, Terminology for Exterior Insulation and Finish Systems (EIFS) (revision of ANSI/ASTM E2110-2001): 12/1/2003

ANSI/ASTM F905-2003, Practice for Qualification of Polyethylene Saddle Fusion Joints (revision of ANSI/ASTM F905-1996): 12/1/2003

ANSI/ASTM F1446-2003, Test Methods for Equipment and Procedures Used in Evaluating the Performance Characteristics of Protective Headgear (revision of ANSI/ASTM F1446-2001a): 11/1/2003

CSA (ASC Z21/83) (CSA America, Inc.)

Revisions

ANSI Z21.41-2003, Quick Disconnect Devices for Use with Gas Fuel Appliances (same as CSA 6.9) (revision, redesignation and consolidation of ANSI Z21.41-1998, BSR Z21.41a-200x, ANSI Z21.41b-2002): 12/23/2003

ANSI Z21.81b-2003, Cylinder Connection Devices (same as CGA 6.25b) (revision, redesignation and consolidation of ANSI Z21.81-1997 (R2003) and ANSI Z21.81a-1998 (R2003)): 12/23/2003

IEEE (ASC C37) (Institute of Electrical and Electronics Engineers)

New Standards

ANSI/IEEE C37.103-2003, Guide for Differential and Polarizing Relay Circuit Testing 12/29/2003

IEEE (ASC N42) (Institute of Electrical and Electronics Engineers)

New Standards

ANSI N42.32-2003, Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security: 12/23/2003

ANSI N42.33-2003, Radiation Detection Instrumentation for Homeland Security: 12/23/2003

ANSI N42.34-2003, Performance Criteria for Hand-held Instruments for the Detection and Identification of Radionuclides: 12/23/2003

IEEE (Institute of Electrical and Electronics Engineers)

New Standards

ANSI/IEEE 1137-2003, Guide for the Implementation of Inductive Coordination Mitigation Techniques and Application: 12/29/2003

ANSI/IEEE 1451.3-2003, Standard for a Smart Transducer Interface for Sensors and Actuators - Digital Communication and Transducer Electronic Data Sheet (TEDS) Formats for Distributed Multidrop Systems: 12/29/2003

ANSI/IEEE 1484.11.2-2003, Standard for Learning Technology - ECMAScript Application Programming Interface for Content to Runtime Services Communication: 12/29/2003

ANSI/IEEE 1526-2003, Recommended Practice for Testing the Performance of Stand-Alone Photovoltaic Systems: 12/29/2003

ANSI/IEEE 1603-2003, A Standard for an Advanced Library Format (ALF) Describing Integrated Circuit (IC) Technology, Cells, and Blocks: 12/29/2003

Revisions

ANSI/IEEE 524-2003, Guide to the Installation of Overhead Transmission Line Conductors (revision of ANSI/IEEE 524-1993 (R1998)): 12/29/2003

ANSI/IEEE C37.26-2003, Guide for Methods of Power-Factor Measurement for Low-Voltage Inductive Test Circuits (revision of ANSI/IEEE C37.26-1991 (R1997)): 12/29/2003

NEMA (ASC C78) (National Electrical Manufacturers Association)

Revisions

ANSI C78.60432.1-2003, Electric Lamps - Incandescent Lamps - Safety Specifications - Tungsten Halogen Lamps for Domestic and Similar General Lighting Purposes - Part 1 (revision of ANSI C78.60432.1-2002): 12/29/2003

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Supplements

ANSI C78.387e-2003, Electric Lamps - Metal-Halide-Lamps – Methods of Measuring Characteristics (supplement to ANSI C78.387-1995 (R2003)): 12/29/2003

UL (Underwriters Laboratories, Inc.)

Revisions

ANSI/UL 4-2003, Standard for Safety for Armored Cable (revision of ANSI/UL 4-1998): 12/19/2003

ANSI/UL 471-2003, Standard for Safety for Commercial Refrigerators and Freezers (revision of ANSI/UL 471-1996): 12/19/2003

2.1.1.3 Project Initiation Notification System (PINS)

Following is a list of proposed new American National Standards or revisions to existing American National Standards that have been received from ANSI-accredited standards developers that utilize the periodic maintenance option in connection with their standards.

ASTM (ASTM International)

BSR/ASTM WK3604-200x, Test method to determine the misting tendencies of metalworking fluids

BSR/ASTM WK3619-200x, Guidance in the Design and Validation of Closed-Loop Controllers for Anesthetic and Respiratory Equipment

BSR/ASTM WK3685-200x, Specification for Large Diameter Steel Reinforced Polyethylene (PE) Corrugated Pipe

BSR/ASTM WK3686-200x, Specification for Polypropylene (PP) Corrugated Pipe and Corrugated Dual Wall PP Pipe (4" through 25")

BSR/ASTM WK3693-200x, Test Method for Flash Point by Modified Continuously Closed Cup Flash Point Tester

NSF (NSF International)

BSR/NSF 245-200x, Nutrient Reduction

2.1.2 ISO Draft International Standards

This section lists proposed standards that the International Organization for Standardization (ISO) is considering for approval. The final date for offering comments is listed after each draft.

APPLICATIONS OF STATISTICAL METHODS (TC 69)

ISO/DIS 18414, Acceptance sampling procedures by attributes -Accept-zero sampling system based on credit principle for controlling outgoing quality - 3/19/2004

GAS CYLINDERS (TC 58)

ISO/DIS 11372, Gas cylinders - Cylinders for dissolved acetylene - Inspection at time of filling - 3/19/2004

ISO/DIS 24431, Gas cylinders - Cylinders for compressed and liquefied gases (excluding acetylene) - Inspection at time of filling - 3/19/2004

IMPLANTS FOR SURGERY (TC 150)

ISO/DIS 14630, Non-active surgical implants - General requirements -3/19/2004

MACHINE TOOLS (TC 39)

ISO/DIS 3089, Machine tools - Test conditions for self-centering manually operated chucks - 3/19/2004

PAINTS AND VARNISHES (TC 35)

ISO/DIS 6504-3, Paints and varnishes - Determination of hiding power - Part 3: Determination of contrast ratio (opacity) of light-coloured paints at a fixed spreading rate - 3/25/2004

ROAD VEHICLES (TC 22)

ISO/DIS 11992-4, Road vehicles - Interchange of digital information on electrical connections between towing and towed vehicles - Part 4: Diagnostics - 3/19/2004

ISO/DIS 17373, Road vehicles - Sled test procedure for evaluation of cervical spine injury risk in low-speed, rear-end impact - 3/19/2004

RUBBER AND RUBBER PRODUCTS (TC 45)

INTERNATIONAL STANDARDS

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ISO/DIS 3862-2, Rubber hoses and hose assemblies - Rubber-covered spiral-wire-reinforced types for hydraulic applications - Specification -Part 2: Water-based fluid applications - 3/19/2004

ISO/DIS 11237-2, Rubber hoses and hose assemblies -Wire-braid-reinforced compact types for hydraulic applications - Specification - Part 2: Water-based fluid applications - 3/19/2004

SIEVES, SIEVING AND OTHER SIZING METHODS (TC 24)

ISO/DIS 15901-1, Evaluation of pore size distribution and porosity of materials by mercury porosimetry and gas adsorption - Part 1: Mercury porosimetry - 3/19/2004

2.1.3 CEN and CENELEC Draft Standards

This section provides information on standards activity within CEN – the European Committee for Standardization - and CENELEC - the European Committee for Electrotechnical Standardization.

If the draft is a proposed adoption of an International Standard, it is so noted.

Draft Standards for Comment

The final date for offering comments is listed after each proposal.

EN 1570: 1998/prA1, Safety requirements for lifting tables - 3/11/2004

EN 12668-1: 2000/prA1, Non-destructive testing - Characterization and verification of ultrasonic examination equipment - Part 1: Instruments - 3/11/2004

EN 12668-2: 2001/prA1, Non-destructive testing – Characterization and verification of ultrasonic examination equipment - Part 2: Probes - 3/11/2004

EN 12668-3: 2000/prA1, Non-destructive testing - Characterization and verification of ultrasonic examination equipment - Part 3: Combined equipment - 3/11/2004

EN 12697-1: 2000/prA1, Bituminous mixtures - Test methods for hot mix asphalt - Part 1: Soluble binder content - 5/11/2004

prEN 692 REVIEW, Machine tools - Mechanical presses -

Safety - 5/11/2004

prEN 1515-3, Flanges and their joints - Bolting - Part 3: Classification of bolt materials for steel flanges, class designated - 5/11/2004

prEN 12079-1, Offshore containers and associated lifting sets - Part 1: Offshore container - Design, manufacture and marking - 5/11/2004

prEN 12079-2, Offshore containers and associated lifting sets - Part 2: Lifting sets - Design, manufacture and marking - 5/11/2004

prEN 12079-3, Offshore containers and associated lifting sets - Part 3: Periodic inspection, examination and testing - 5/11/2004

prEN 12472 REVIEW, Method for the simulation of wear and corrosion test for the detection of nickel release from coated items - 5/11/2004

prEN 12507 REVIEW, Transportation services - Guidance notes on the application of EN ISO 9002 to the road transportation, storage and distribution industries - 4/11/2004

prEN 12900 REVIEW, Refrigerant compressors - Rating conditions, tolerances and presentation of manufacturer's performance data - 5/11/2004

prEN 13445-8, Unfired pressure vessels - Part 8: Additional requirements for pressure vessels of aluminum and aluminum alloys - 5/11/2004

prEN 14067-5, Railway applications - Aerodynamics - Part 5: Requirements and test procedures for aerodynamics in tunnels - 5/11/2004

prEN 14487-2, Sprayed concrete - Part 2: Execution - 4/11/2004

prEN 14863, Vitreous and porcelain enamels - Determination of the edge covering on enameled steel plate to be used in heat exchangers - 5/11/2004

prEN 14864, Vitreous and porcelain enamels - Enamel coatings applied to steel for writing surfaces - Specification - 5/11/2004

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prEN 14865-2, Railway applications - Axlebox lubrication greases - Part 2: Method to test the mechanical stability to cover vehicle speeds up to 200 km/h - 5/11/2004	prEN 1504-4, Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 4: Structural bonding
prEN 14866, Regenerative, packed enameled heat exchangers for air-gas and gas-gas heaters - Specification - 5/11/2004	prEN 1504-8, Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 8: Quality control and evaluation of conformity
prEN 14868, Protection of metallic materials against corrosion - Corrosion likelihood in water recirculation systems - 5/11/2004	prEN 1514-7, Flanges and their joints - Gaskets for PN-designated flanges - Part 7: Covered metal jacketed gaskets for use with steel flanges
prEN ISO 4521, Metallic coatings - Electrodeposited silver and silver alloy coatings for engineering purposes - Specification and test methods (ISO/DIS 4521: 2003) - 4/4/2004	prEN 1634-3 REVIEW, Fire resistance tests for door and shutter assemblies - Part 3: Smoke control doors and shutters
prEN ISO 8665 REVIEW, Small craft - Marine propulsion reciprocating internal combustion engines - Power measurements and declarations (ISO/DIS 8665: 2003) - 4/11/2004	prEN 1992-1-1, Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings
prEN ISO 9342-1, Optics and optical instruments - Test lenses for calibration of focimeters - Part 1: Test lenses for focimeters used for measuring spectacle lenses (ISO/DIS 9342-1: 2003) - 4/4/2004	prEN 1992-1-2, Eurocode 2: Design of concrete structures - Part 1-2: General rules - Structural fire design
prEN ISO 9342-2, Optics and optical instruments - Test lenses for calibration of focimeters - Part 2: Test lenses for focimeters used for measuring contact lenses (ISO/DIS 9342-2: 2003) - 4/4/2004	prEN 1993-1-1, Eurocode 3: Design of steel structures - Part 1-1: General rules and rules for buildings
prEN ISO 10931, Plastics piping systems for industrial applications - Poly(vinylidene fluoride) (PVDF) - Specifications for components and the system (ISO/DIS 10931: 2003) - 4/4/2004	prEN 1993-1-2, Eurocode 3: Design of steel structures - Part 1-2: General rules - Structural fire design
prEN ISO 11403-2 REVIEW, Plastics - Acquisition and presentation of comparable multipoint data - Part 2: Thermal and processing properties (ISO/FDIS 11403-2: 2003) - 2/6/2004	prEN 1993-1-8, Eurocode 3: Design of steel structures - Part 1-8: Design of joints
	prEN 1993-1-9, Eurocode 3: Design of steel structures - Part 1-9: Fatigue
	prEN 1993-1-10, Eurocode 3: Design of steel structures - Part 1-10: Material toughness and through-thickness properties
Drafts Sent for Formal Vote	prEN 1995-1-1, Eurocode 5: Design of timber structures - Part 1-1: General - Common rules and rules for buildings
EN 81-1: 1998/prA2, Safety rules for the construction and installation of lifts - Part 1: Electric lifts	prEN 1995-1-2, Eurocode 5: Design of timber structures - Part 1-5: General - Structural Fire Design
EN 81-2: 1998/prA2, Safety rules for the construction and installation of lifts - Part 2: Hydraulic lifts - A2: Machinery and pulley spaces prCEN/TS 764-6, Pressure equipment - Part 6: Structure and content of operating instructions	

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prEN 1998-1, Eurocode 8: Design of structures for earthquake resistance - Part 1: General rules, seismic actions and rules for buildings

prEN 1998-5, Eurocode 8: Design of structures for earthquake resistance - Part 5: Foundations, retaining structures and geotechnical aspects

prEN 10168, Steel products - Inspection documents - List of information and description

prEN 12560-7, Flanges and their joints - Gaskets for Class-designated flanges - Part 7: Covered metal jacketed gaskets for use with steel flanges

prEN 12952-14, Water-tube boilers and auxiliary installations - Part 14: Requirements for flue gas DENOX-systems using liquefied pressurized ammonia and ammonia water solution

prEN 13000, Cranes - Mobile cranes

prEN 13055-2, Lightweight aggregates - Part 2: Lightweight aggregates for bituminous mixtures and surface treatments and for unbound and bound applications

prEN 13216-1, Chimneys - Test methods for system chimneys - Part 1: General test methods

prEN 13286-2, Unbound and hydraulically bound mixtures - Part 2: Test methods for the determination of the laboratory reference density and moisture content - Proctor compaction

prEN 13411-6, Terminations for steel wire ropes - Safety - Part 6: Asymmetric wedge socket

prEN 14117, Products and systems for the protection and repair of concrete structures - Test methods - Determination of viscosity of cementitious injection products

prEN 14406, Products and systems for the protection and repair of concrete structures - Test methods - Determination of the expansion ratio and expansion evolution

prEN 14497, Products and systems for the protection and repair of concrete structures - Test methods - Determination of the filtration stability

prEN 14498, Products and systems for the protection and repair of concrete structures - Test methods - Volume and weight changes after air drying and water storage cycles

prEN 14861, Forest machinery - Self propelled machinery - Safety requirements

prEN ISO 14314, Reciprocal internal combustion engines - Recoil starting equipment - General safety requirements (ISO/FDIS 14314: 2003)

prEN ISO 20844, Petroleum and related products - Determination of the shear stability of polymer-containing oils using a diesel injector nozzle (ISO/FDIS 20844: 2003)

prEN ISO 20846, Petroleum products - Determination of total sulfur content of automotive fuels - Ultraviolet fluorescence method (ISO/FDIS 20846: 2003)

prEN ISO 20847, Petroleum products - Determination of the sulfur content of automotive fuels - Energy-dispersive X-ray fluorescence spectrometry (ISO/FDIS 20847: 2003)

prEN ISO 20884, Petroleum products - Determination of low sulfur content of automotive fuels - Wavelength-dispersive X-ray fluorescence spectrometry (ISO/FDIS 20884: 2003)

2.2 American Society of Mechanical Engineers (ASME)

The following listings are extracted from the ASME list of recently published standards on the ASME web site at <http://www.asme.org/codes/newdocuments.html> and are representative of NGS development activities that may be relevant to DOE operations. Refer to the ASME web site for the complete list of changes and new publications, standards developing organizations, and additional information about submitting comments.

2.2.1 ASME Standards in Coordination

The following ASME standards are currently in coordination. Comment due dates are noted after each listing.

ASME B107.19 - 20XX, Pliers, Retaining Ring, 02/10/04

ASME B107.41 - 20XX, Nail Hammers, 02/10/04

ASME B107.46 - 20XX, Stud, Screw and Pipe Extractors: Safety Requirements, 02/10/04

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ASME B107.53 - 20XX, Ball Peen Hammers: Safety Requirements, 02/10/04

ASME B16.20 - 20XX, Metallic Gaskets for Pipe Flanges, 02/24/04

ASME B18.2.6 - R20XX, Fasteners for Use in Structural Applications, 3/02/04

ASME B18.24.4 - 20XX, Part Identifying Number (PIN) Code System Standard for B18 Fastener Products, 03/02/04

ASME B29.12M - R20XX, Steel Bushed Rollerless Chains, Attachments, and Sprocket Teeth, 01/20/04

ASME B29.17M - R20XX, Hinge-Type Flat Top Conveyor Chains and Sprocket Teeth, 02/03/04

ASME B29.23M - R20XX, Flexible Chain Couplings, 02/03/04

ASME B29.2M - R20XX, Inverted Tooth (silent) Chains and Sprockets, 02/03/04

ASME B31.3 - 20XX, Process Piping, 02/17/04

ASME B36.10M - 20XX, Welded and Seamless Wrought Steel Pipe, 01/27/04

ASME B36.19M - 20XX, Stainless Steel Pipe, 01/27/04

ASME BPEa - 20XX, Bioprocessing Equipment, 02/24/04

ASME PCC-IP - 20XX, Guidelines for Inspection Planning Using Risk Based Methods, 02/17/04

ASME PTC 1 - 20XX, General Instructions, 03/02/04

ASME PTC 12.4 - 20XX, Moisture Separator Reheaters, 01/20/04

ASME PTC 19.2 - 20XX, Pressure Measurement, 02/10/04

ASME PTC 19.5 - 20XX, Flow Measurement (Revision 2), 01/26/04

2.2.2 New ASME Standards Published

The following ASME standards were recently approved and published. Go to the ASME web site for information on ordering copies.

A112.6.4-2003 Roof, Deck, and Balcony Drains

B107.37-2003 Pliers: Wire Cutters/Strippers

Y14.5M-1994 and Y14.41-2003 Package Containing:

- Y14.5M-1994 Dimensioning and Tolerancing
- Y14.41-2003 Digital Product Definition Data Practices
- Y14.40.1-2002 Graphical Symbols for Diagrams, Part 1: General Information and Indexes
- Y14.40.2-2002 ASME, Graphical Symbols for Diagrams, Part 2: Symbols Having General Applications
- Y14.40.4-2002 Graphical Symbols for Diagrams, Part 4: Actuators and Related Devices
- Y14.40.5-2002 Graphical Symbols for Diagrams, Part 5: Measurement and Control Devices
- Y14.40.6-2003 Graphical Symbols for Diagrams, Part 6: Measurement and Control Functions
- Y14.40.7-2002 Graphical Symbols for Diagrams, Part 7: Basic Mechanical Components
- Y14.40.8-2002 Graphical Symbols for Diagrams, Part 8: Valves and Dampers
- Y14.40.11-2002 Graphical Symbols for Diagrams, Part 11: Devices for Heat Transfer and Heat Engines
- Y14.40.12-2002 Graphical Symbols for Diagrams, Part 12: Devices for Separating, Purification and Mixing
- Y14.40.15-2003 Graphical Symbols for Diagrams, Part 15: Installation Diagrams and Network Maps

Y14.41 - 2003 Referenced Standards Package containing:

- Y14.1-1995 Decimal Inch Drawing Sheet Size and Format
- Y14.1M-1995 Metric Drawing Sheet Size and Format
- Y14.2M-1992 Line Conventions and Lettering
- Y14.3M-1994 Multiview and Sectional View Drawings
- Y14.4M-1989 Pictorial Drawing
- Y14.5M-1994 Dimensioning and Tolerancing
- Y14.8M-1996 Castings and Forgings
- Y14.35M-1997 Revision of Engineering Drawings and Associated Documents
- Y14.38-1999 Abbreviations and Acronyms
- Y14.100-2000 Engineering Drawing Practices
- Y14.43-2003 Dimensioning and Tolerancing Principles for

(Continued on page 10)

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Gages and Fixtures

2.2.3 Revised ASME Standards Published

The following ASME standards were recently approved and published. Go to the ASME web site for information on ordering copies.

A17 CD-ROM Elevators and Escalators (2003)

- A18.1-2003 Safety Standard for Platform Lifts and Stairway Chairlifts
- A112.19.10-2003 Dual Flush Devices for Water Closets
- A112.19.14-2001 Six -Liter Water Closets Equipped with Dual Flushing Device
- AG-1-2003 Code on Nuclear Air and Gas Treatment
- B16.5-2003 Pipe Flanges and Flanged Fittings: NPS ½ through NPS 24
- B16.44-2002 Manually Operated Metallic Gas Valves for Use in Above Ground Piping Systems Up to 5 Psi

2.3 American Society for Testing and Materials (ASTM)

The following list of approved standards actions was extracted from the ASTM January *Standards Action*, which can be found on the ASTM web site at http://www.astm.org/cgi-bin/SoftCart.exe/SNEWS/JANUARY_2004/acta_jan04.html?L+mystore+cwck4164+1073533342. The list is representative of NGS development activities that may be relevant to DOE operations. Refer to the ASTM web site for the complete list of new publications.

2.3.1 ASTM A Standards

A 941-03, Terminology Relating to Steel, Stainless Steel, Related Alloys, and Ferroalloys

Revision of Standard

Volume 01.01, 2004

A 209/A 209M-03, Specification for Seamless Carbon-Molybdenum Alloy-Steel Boiler and Superheater Tubes

A 268/A 268M-03, Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service

A 312/A 312M-03, Specification for Seamless and Welded Austenitic Stainless Steel Pipes

A 519-03, Specification for Seamless Carbon and Alloy Steel

Mechanical Tubing

A 530/A 530M-03, Specification for General Requirements for Specialized Carbon and Alloy Steel Pipe

A 554-03, Specification for Welded Stainless Steel Mechanical Tubing

A 688/A 688M-03, Specification for Welded Austenitic Stainless Steel Feedwater Heater Tubes

A 803/A 803M-03, Specification for Welded Ferritic Stainless Steel Feedwater Heater Tubes

A 984/A 984M-03, Specification for Steel Line Pipe, Black, Plain-End, Electric-Resistance-Welded

Volume 01.02, 2004

A 494/A 494M-03a, Specification for Castings, Nickel and Nickel Alloy

Volume 01.03, 2004

A 370-03a, Test Methods and Definitions for Mechanical Testing of Steel Products

A 666-03, Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar

A 923-03 (Includes change to title), Test Methods for Detecting Detrimental Intermetallic Phase in Duplex Austenitic/Ferritic Stainless Steels

A 1011-03a, Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability

A 1018/A 1018M-03a, Specification for Steel, Sheet and Strip, Heavy-Thickness Coils, Hot-Rolled, Carbon, Commercial, Drawing, Structural, High-Strength Low-Alloy, and High-Strength Low-Alloy with Improved Formability

Volume 01.04, 2000

A 738/A 738M-03, Specification for Pressure Vessel Plates, Heat-Treated, Carbon-Manganese-Silicon Steel, for Moderate and Lower Temperature Service

Volume 01.04, 2004

A 225/A 225M-03, Specification for Pressure Vessel Plates, Alloy Steel, Manganese-Vanadium-Nickel

A 285/A 285M-03, Specification for Pressure Vessel Plates,

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Carbon Steel, Low- and Intermediate-Tensile Strength

A 387/A 387M-03, Specification for Pressure Vessel Plates, Alloy Steel, Chromium-Molybdenum

A 841/A 841M-03a, Specification for Steel Plates for Pressure Vessels, Produced by Thermo-Mechanical Control Process (Tmcp)

A 913/A 913M-03, Specification for High-Strength Low-Alloy Steel Shapes of Structural Quality, Produced by Quenching and Self-Tempering Process (Qst)

A 992/A 992M-03, Specification for Structural Steel Shapes
Volume 01.05, 2003

A 909-03, Specification for Steel Forgings, Microalloy, for General Industrial Use
Volume 01.06, 2004

A 623-03, Specification for Tin Mill Products, General Requirements

A01 on Steel, Stainless Steel and Related Alloys

Revision of Standard

Volume 01.01, 2000

A 623M-03, Spfor Tin Mill Products, General Requirements [Metric]

A 625/A 625M-03, Specification for Tin Mill Products, Black Plate, Single-Reduced

A 650/A 650M-03, Specification for Tin Mill Products, Black Plate, Double Reduced

A 657/A 657M-03, Specification for Tin Mill Products, Black Plate Electrolytic Chromium-Coated, Single and Double Reduced

A04 on Iron Castings

Revision of Standard

Volume 01.02, 2000

A 888-03, Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications

A05 on Metallic-Coated Iron and Steel Products

Revision of Standard

Volume 01.06, 2004

A 792/A 792M-03, Specification for Steel Sheet, 55 Aluminum-Zinc Alloy-Coated by the Hot-Dip Process

A 930-03, Practice for Life-Cycle Cost Analysis of Corrugated Metal Pipe Used for Culverts, Storm Sewers, and Other Buried Conduits

2.3.2 ASTM B Standards

B01 on Electrical Conductors

Revision of Standard

Volume 02.03, 2004

B 227-03, Specification for Hard-Drawn Copper-Clad Steel Wire

B 738-03, Specification for Fine-Wire Bunch-Stranded and Rope-lay Bunch-Stranded Copper Conductors for Use as Electrical Conductors

B 856-03, Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated Steel Supported (Acss)

B05 on Copper and Copper Alloys

Revision of Standard

Volume 02.01, 2004

B 100-03a, Specification for Wrought Copper-Alloy Bearing and Expansion Plates and Sheets for Bridge and Other Structural Use

B 370-03, Specification for Copper Sheet and Strip for Building Construction

B 422-03, Specification for Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy

B 465-03, Specification for Copper-Iron Alloy Plate, Sheet, Strip, and Rolled Bar

B07 on Light Metals and Alloys

Revision of Standard

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Volume 02.02, 2004

B 209M-03, Specification for Aluminum and Aluminum-Alloy Sheet and Plate [Metric]

B09 on Metal Powders and Metal Powder Products**New Standard****Volume 02.05, 2004**

B 930-03, Test Method for Rating Grain Size and Frequency of Abnormally Large Grains in Cemented Tungsten Carbides Hardmetals

B 931-03, Test Method for Metallographically Estimating the Observed Case Depth of Ferrous Powder Metallurgy P/M Parts

Revision of Standard**Volume 02.05, 2004**

B 213-03, Test Method for Flow Rate of Metal Powders
B 859-03, Practice for Deagglomeration of Refractory Metal Powders and their Compounds Prior to Particle Size Analysis

2.3.3 ASTM C Standards**C01 on Cement****New Standard****Volume 04.01, 2003**

C 1565-03, Test Method for Determination of Pack-Set Index of Portland Cement

C03 on Chemical-Resistant Nonmetallic Materials**Revision of Standard****Volume 04.05, 2004**

C 414-03, Test Method for Working, Setting, and Service Strength Setting Times of Chemically Setting Chemical-Resistant Silicate and Silica Mortars

C04 on Vitrified Clay Pipe**Revision of Standard****Volume 04.05, 2004**

C 1091-03a, Test Method for Hydrostatic Infiltration Testing

of Vitrified Clay Pipe Lines

C07 on Lime**Revision of Standard****Volume 04.01, 2004**

C 110-03, Test Methods for Physical Testing of Quicklime, Hydrated Lime, and Limestone

C09 on Concrete and Concrete Aggregates**Revision of Standard****Volume 04.02, 2003**

C 39/C 39M-03, Test Method for Compressive Strength of Cylindrical Concrete Specimens

C 94/C 94M-00, Specification for Ready-Mixed Concrete

C 117-03, Test Method for Materials Finer Than 75-mm (No. 200) Sieve in Mineral Aggregates by Washing

C 1077-03, Practice for Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Laboratory Evaluation

C 1252-03, Test Methods for Uncompacted Void Content of Fine Aggregate as Influenced by Particle Shape, Surface Texture, and Grading

Volume 04.02, 2004

C 123-03, Test Method for Lightweight Particles in Aggregate

C 289-03, Test Method for Potential Alkali-Silica Reactivity of Aggregates Chemical Method

C 1240-03a (Includes change to title), Specification for Silica Fume Used in Cementitious Mixtures

C11 on Gypsum and Related Building Materials and Systems

Revision of Standard**Volume 04.01, 2004**

C 645-03, Specification for Nonstructural Steel Framing Members

C15 on Manufactured Masonry Units

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Revision of Standard

Volume 04.05, 2003

C 55-03, Specification for Concrete Brick

C 129-03, Specification for Nonloadbearing Concrete Masonry Units

C 140-03, Test Methods for Sampling and Testing Concrete Masonry Units and Related Units

C 1420-03, Guide for Selection, Removal, and Shipment of Manufactured Masonry Units Placed in Usage

E 518-03, Test Methods for Flexural Bond Strength of Masonry

Volume 04.05, 2004

C 1552-03, Practice for Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing

C16 on Thermal Insulation

Revision of Standard

Volume 04.06, 2003

C 1057-03, Practice for Determination of Skin Contact Temperature from Heated Surfaces Using a Mathematical Model and Thermesthesiometer

Volume 04.06, 2004

C 921-03a, Practice for Determining the Properties of Jacketing Materials for Thermal Insulation

C 1014-03, Specification for Spray-Applied Mineral Fiber Thermal and Sound Absorbing Insulation

C 1224-03, Specification for Reflective Insulation for Building Applications

C26 on Nuclear Fuel Cycle

New Standard

Volume 12.01, 2003

C 1554-03, Guide for Materials Handling Equipment for Hot Cells

Volume 12.01, 2004

C 1571-03, Guide for Characterization of Radioactive and/or Hazardous Wastes for Thermal Treatment

2.3.4 ASTM D Standards

D01 on Paint and Related Coatings, Materials, and Applications

Revision of Standard

Volume 06.01, 2004

D 5201-03a (Includes change to title), Practice for Calculating Formulation Physical Constants of Paints and Coatings

Volume 06.02, 2004

D 2199-03, Test Method for Measurement of Plasticizer Migration From Vinyl Fabrics to Lacquers

D 5722-03, Practice for Performing Accelerated Outdoor Weathering of Factory-Coated Embossed Hardboard Using Concentrated Natural Sunlight and a Soak-Freeze-Thaw Procedure

D 6279-03, Test Method for Rub Abrasion Mar Resistance of High Gloss Coatings

Volume 06.04, 2004

D 1078-03, Test Method for Distillation Range of Volatile Organic Liquids

D 1613-03, Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer, and Related Products

D 1718-03, Specification for Isobutyl Acetate (95 % Grade)
D 2086-03, Test Method for Acidity in Vinyl Acetate and Acetaldehyde

D 3130-03, Specification for n-Propyl Acetate (96 % Grade)

D 3728-03, Specification for 2-Ethoxyethyl Acetate (99 % Grade)

D 4835-03, Specification for Propylene Glycol Monomethyl Ether Acetate

D04 on Road and Paving Materials

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New Standard

Volume 04.03, 2003

D 6928-03, Test Method for Resistance of Coarse Aggregate to Degradation by Abrasion in the Micro-Deval Apparatus
Volume 04.03, 2004

D 6924-03, Specification for Preformed Thermoplastic Vulcanizate Elastomeric Joint Seals for Bridges

D05 on Coal and Coke

Revision of Standard

Volume 05.06, 2004

D 6883-03a, Practice for Manual Sampling of Stationary Coal from Railroad Cars, Barges, Trucks, or Stockpiles

D07 on Wood

Revision of Standard

Volume 04.10, 2004

D 5055-03, Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-Joists

D 6555-03, Guide for Evaluating System Effects in Repetitive-Member Wood Assemblies

D11 on Rubber

Revision of Standard

Volume 09.01, 2004

D 4483-03, Practice for Evaluating Precision for Test Method Standards in the Rubber and Carbon Black Manufacturing Industries

D18 on Soil and Rock

New Standard

Volume 04.09, 2003

D 6911-03, Guide for Packaging and Shipping Environmental Samples for Laboratory Analysis

D19 on Water

Revision of Standard

Volume 11.01, 2003

D 2777-03, Practice for Determination of Precision and Bias of Applicable Test Methods of Committee D19 on Water

D 6318-03, Practice for Calibrating a Fathometer Using a Bar Check Method

D32 on Catalysts

Revision of Standard

Volume 05.05, 2004

- D 1977-03, Test Method for Nickel and Vanadium in FCC Equilibrium Catalysts by Hydrofluoric/sulfuric Acid Decomposition and Atomic Spectroscopic Analysis
- D 3663-03, Test Method for Surface Area of Catalysts and Catalyst Carriers



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